

## ABSTRACT OF THE DISCLOSURE

A variable charge pump contains several individual simple charge pumps, each with a pumping capacitor and a switching mechanism. Additionally, a switching network is coupled to the individual charge pumps so that the different lines in the charge pump can be connected together in a serial mode or parallel mode (or mixed serial and parallel modes) to match the needs of the output load. The switching network is easily changed to provide the necessary driving capability as the needs of the output load changes.

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